

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52521 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 24 2014

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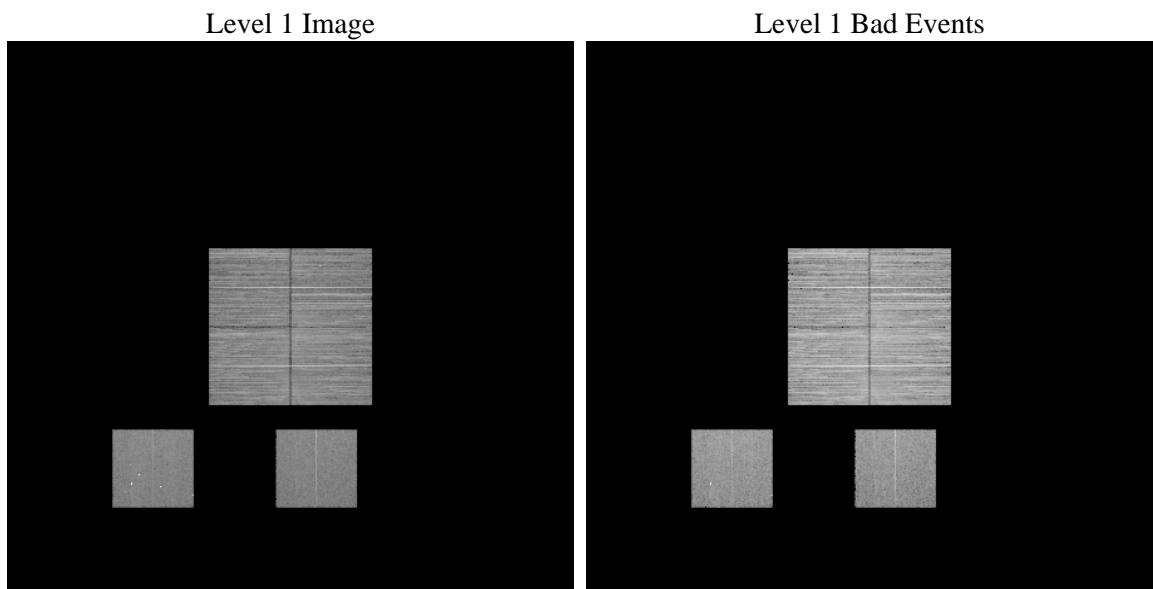
1 Front

seq_num	 	Sequence number
obs_id	52521	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	85.982670635397	Nominal RA [deg]
dec_nom	29.024536777534	Nominal Dec [deg]
roll_nom	88.987621265789	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime0	8281.5999692082	Sum of GTIs [s]
ontime1	8281.5999692082	Sum of GTIs [s]
ontime2	8281.5999692082	Sum of GTIs [s]
ontime3	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
l2events	200680	Number of level 2 events

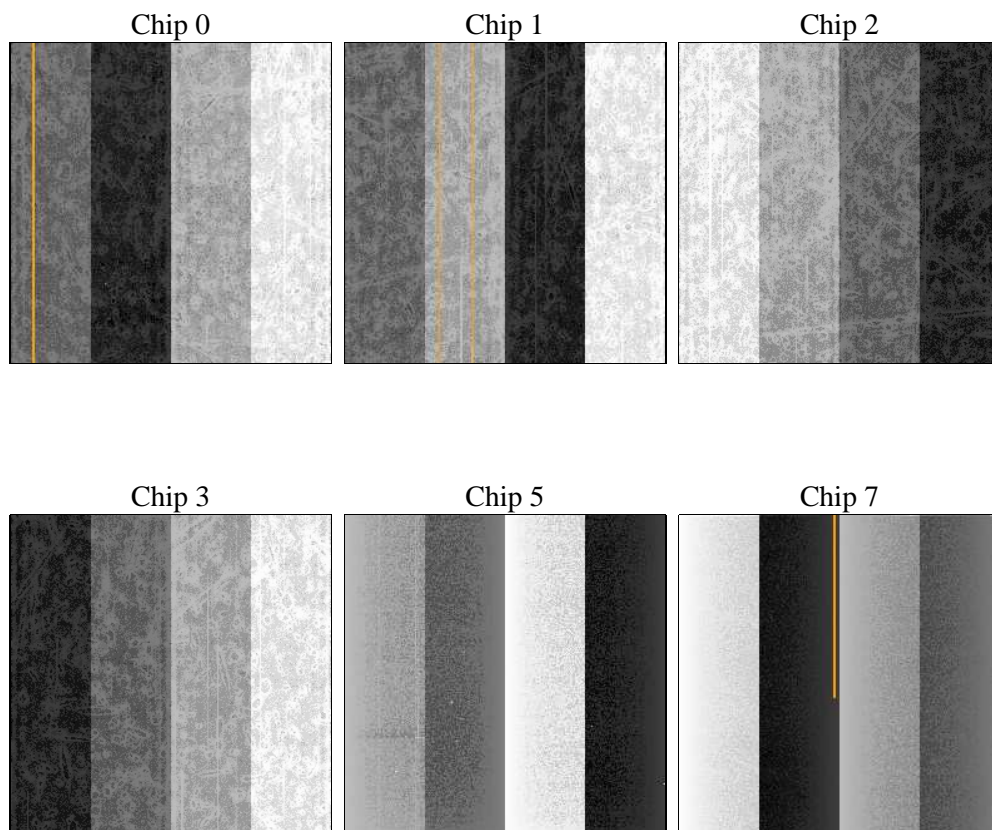
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	8281.5999692082	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	8281.5999692082	Sum of GTIs [s]
date	2014-08-25T02:38:48	Date and time of file creation	ontime1	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8281.5999692082	Sum of GTIs [s]
			ontime3	8281.5999692082	Sum of GTIs [s]
			ontime5	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			l1events	903279	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	150345	158639	168239	167849	136129	122078	grade 0 events	12426	12722	12966	13071	9419	6432
rejected events	124169	130864	142113	141310	74436	70353		8%	8%	7%	7%	6%	5%
rejected %	82%	82%	84%	84%	54%	57%	grade 1 events	52	47	64	75	565	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	5991	6993	5594	5616	21654	12999
								3%	4%	3%	3%	15%	10%
							grade 3 events	1684	1635	1752	1703	1721	3809
								1%	1%	1%	1%	1%	3%
							grade 4 events	1627	1599	1786	1789	1594	3643
								1%	1%	1%	1%	1%	2%
							grade 5 events	2740	2710	2547	3139	5492	6989
								1%	1%	1%	1%	4%	5%
							grade 6 events	4463	4834	4041	4360	27325	24842
								2%	3%	2%	2%	20%	20%
							grade 7 events	121362	128099	139489	138096	68359	63278
								80%	80%	82%	82%	50%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	85.98267063539708	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	29.02453677753372	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	88.98762126578866	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	525258847.916622	525258846.89162			
Observation start date	2014-08-24T09:14:08	2014-08-24T09:14:06			
[s] Observation end time (MET)	525268979.017185	525268977.99218			
Observation end date	2014-08-24T12:02:59	2014-08-24T12:02:57			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.08.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

A.2 Comments